## DETAILED ACTION

### *Remarks*

1. This office action is in response to the amendment filed on 8/12/2009.

2. Claims 32, 42, 48-50, 60, 62 and 64-66 have been amended.

3. 35 U.S.C. § 112 second paragraph rejection to claims 32, 42 49, 50, 60, 62, 65, 66, 68 and 69 is withdrawn in view of Applicants amendment

4. Claims 32, 42, 48-50, 60, 62, 64-66, 68 and 69 remain pending and have been examined

## EXAMINER'S AMENDMENT

5. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

6. Authorization for this examiner's amendment was given in a telephone interview with Kenneth W. Fields (Reg# 52,430) on 11/05/2009 to obviate any potential 35 U.S.C. § 112 issues, and to put the claims in condition for allowance.

7. Claims 32 and 60 are now being further amended by the Examiner.

8. Claims 42 and 62 have been cancelled by Examiner.

9. The application has been amended as follows:

**IN THE CLAIMS**

**Please cancel claims 42, 62, and amend claims 32 and 60 as follows:**

**Claim 32 (Currently amended)**;

A computing device comprising:

a processor; and

a compiler apparatus for translating a source program into a machine language program, said compiler apparatus comprising:

a directive acquisition unit operable to acquire a directive for optimizing a machine language program to be generated; and

an optimization unit operable to perform optimization by generating a sequence of machine language instructions following the acquired directive,

wherein the directive acquisition unit detects a directive with a specific value for guaranteeing that data indicated by a pointer variable shown by the name of a specific variable in the source program is aligned by the specific value in a memory region, ~~and~~

wherein the optimization unit performs the optimization to align the data indicated by the pointer variable in the memory region by the specific value of alignment[.], and

wherein the optimization unit generates a pair instruction for transferring two kinds of data at the same time regarding a memory access instruction for accessing the data to be aligned in the memory region.

**Claim 42. (Cancelled)**

**Claim 60 (Currently amended)**:

A computer-readable recording medium having a compiler stored thereon for causing a computer to translate a source program into a machine language program, said compiler comprising:

a directive acquisition unit operable to acquire a directive for optimizing a machine language program to be generated; and

an optimization unit operable to perform optimization by generating a sequence of machine language instructions following the acquired directive,

wherein the directive acquisition unit detects a directive with a specific value for guaranteeing that data indicated by a pointer variable shown by the name of a specific variable in the source program is aligned by the specific value in a memory region, ~~and~~

wherein the optimization unit performs the optimization to align the data indicated by the pointer variable in the memory region by the specific value of alignment[.], and

wherein the optimization unit generates a pair instruction for transferring two kinds of data at the same time regarding a memory access instruction for accessing the data to be aligned in the memory region.

**Claim 62. (Cancelled)**

**--END OF AMENDMENT--**

***Allowable Subject Matter***

10. Claims 32, 48-50, 60, 64-66, 68 and 69 are allowed (re-numbered as claims 1-10). As the Applicants pointed out under REMAKRS section, page number 13-14, the cited art (Stallman) does not disclose, suggest or otherwise render obvious regarding to the claimed limitation e.g. “for guaranteeing that data indicated by a pointer variable shown by the name of a specific variable in the source program is aligned by the specific value in memory region"; “a directive with a minimum number for guaranteeing that [the] a number of iterations of specific loop processing while the number of iterations of the specific loop is not specified in the source program”; “a directive with a specific number for guaranteeing that a number of iterations of specific loop processing in the source program, wherein the specific number is a designation value[s] of iteration numbers of loop while the iteration number of loop is not specified in the source code”; “a directive includes a value of a designation number of iterations of a specific loop for guaranteeing that the number of iterations of specific loop processing while the number of iterations is not specified in the source program” and in as such manners as recited in the independent claims 32, 60, 48, 64, 49, 65, 50 and 66, thus each of the dependent claims are allowable for at least the same reasons.

11. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

## *Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Zheng Wei whose telephone number is (571) 270-1059 and Fax number is (571) 270-02059. The examiner can normally be reached on Monday-Thursday 8:00-15:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q. Dam can be reached on (571) 272-3695. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Z. W./
Examiner, Art Unit 2192

/Tuan Q. Dam/
Supervisory Patent Examiner, Art Unit 2192